

CLAIMS:-

1. A pagewidth printhead assembly for a printer, the printer having a page width, the assembly comprising:
 - 5 a longitudinal core;
 - a pagewidth printhead mounted to the core;
 - the pagewidth printhead comprising two or more modular printheads;
 - the pagewidth printhead being stationary relative to the page width;
 - the core being contained within an outer laminated shell, the shell having an
 - 10 effective coefficient of thermal expansion substantially equal to that of the printhead.
2. A printhead assembly according to claim 1, wherein:
 - 15 the core has formed in it one or more ink reservoirs.
3. A printhead assembly according to claim 1, wherein:
 - the laminate of the outer shell is formed from at least three metals laminated together, the laminate having inner and outer layers which are of the same metal.
- 20 4. A printhead assembly according to claim 1, wherein:
 - the printhead is fabricated from silicon.
5. A printhead assembly according to claim 4, wherein:
 - 25 the printhead is constructed using micro electromechanical techniques.
6. A printhead assembly according to claim 1, wherein:
 - the core is an extrusion defining separate ink reservoirs.
7. A printhead assembly according to claim 1, wherein:
 - 30 the outer shell is a laminated structure having an odd number of longitudinally extending layers of at least two different metals wherein layers are arranged in a symmetrical arrangement.

8. A printhead assembly according to claim 1, wherein:
the modular printheads are positioned end to end along the core.
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9. A printhead assembly according to claim 1, wherein:
the laminated shell comprises two or more different materials, each having a
different coefficient of thermal expansion.
- 10 10. A printhead assembly according to claim 6, wherein:
the extrusion comprises adjacent reservoirs which collectively lead to one or more
micro mouldings which are carried by the core.
11. A printhead assembly according to claim 9, wherein:
the laminated shell comprises outer layers of invar.
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